

FIG. I

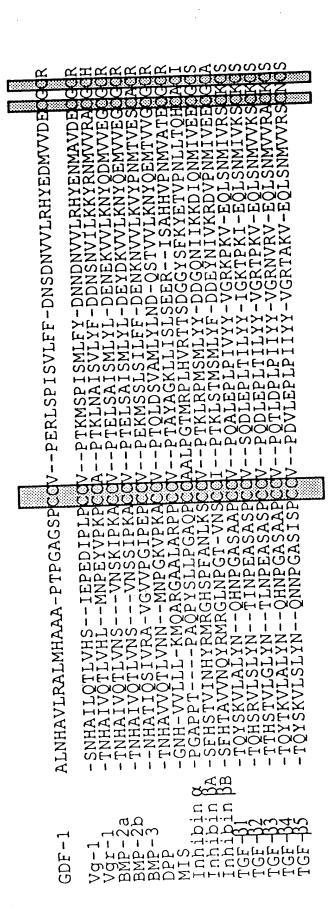
99		501
09	CAGGACCTCGGGGCTGTGCCCGAGTGGACAGTCGTCGTTGACCTGTCGAATGTGGAGCC	541
54		81
8		21
42(		61
36(		01
300	TIGGACCACCTCCTCCTGCTCTTGCTGCCCTCGACGCCCCCCCC	
240	GCTCCGCTGACTCTTGGACACCTCCTGGGAGAAATGCTCCCTGTCTGCCATCGTTT  M L P V C H R F	31
180	CCAGGACCTCAAAGCACCCCCGACCTAAGGTCACCAGCCCCACTGGCCCCAGACGCAGTGG	<u>, -</u> 1
120	CACCTTGGGACTGCCGCCCAGTCCTGCATCAGTGGGGTCCAGACACGCCCCT	
09	CCCTTCTCCAGGGACTCTGGCTGCCAGCTCCGCCTTTCAGATCAATTCTCGACCACC	_

F16. 2a

661	AGGAGGGTGGGAGCTAAGCGTGGCACTGAGGCATCCAGGGCCTGAGCT G G W E L S V A L W A D A E H P G P E L	720
721	GCTGCGCGTGCCGCCACCAGGGGTGCTCCTGCGCGACCTACTGGGGACTGCAGT	780
781	AGCCGCCAACGCATCAGTGCCCTGTGCGCGTGTCACTGCACCTTGGGGC	840
841	CACTGCAGCCTGTGGCCTGCTGCTGCTGGTGACGCTGGACCCACG	006
901	CCTGTGTCCCTTGCCGCGATTGCGCCCACGCCAGGGTAGAAGTTGGTCCAGT	096
1961	GGGCACTTGTCGTACCCGACGGTTGCATGTGAGCTTCCGTGAGGTGGGCTGGCACCGTTG	1020
1021	GGTGATCGCGCGCGTGGCTTCCTAGCCAACTTCTGCCAGGGCACGTGCGCACTACCCGA	1080
1081	AACGCTGAGGGGCGGGCCGCCTGCACCACGCTGTGCTGCGCGCGC	1140
1141	GCACGCAGCTGCTCCCAGGGTGCAGGCTCGCCTGCGTGCCAGAGCGTCTATC H A A A P T P G A G S P C C V P E R L S	1200
1201	ACCCATCTCCGTGCTCTTCGACAATAGTGACAACGTGGTCCTGCGACACTACGAAGA PISVLFFDNSDNVVLRHYED	1260
1261	CATGGTGGTGGATGAGTGTGGCTGCCGTTGACCACCCGGGACACCCTTTCAGGGACCGCC	1320
1321	CCACGCAAAAGCAGGGACTGTTTGTTCATGTTTTATTGGTGACAAAAAGCTTAAAACAAA	1380
1381	TITGACT 1387 F1G. 2b	

FOGTEALPETLRGPGGPP			
	CHTEPRVEVGFVG1 RAIREDVSF AND COMMINGE CONTROLL OF CO	RILIORPPEEPAAHANGHRVALNISF-QELGWERMINIESS A GLECDGKVNICG-KKOFFVSF-KDIGWNDWIIAPSGY B GLECDGRTNLCG-ROOFFIDF-RLIGWNDWIIAPTGY ALDTNYCFSSTEKNCGVRO-LYIDFRKDLGWK-WIHEPKGY ALDAYCFRNVODNCGLRP-LYIDFRRDLGWK-WIHEPKGY ALDTNYCFRNLEENCGVRP-LYIDFRADLGWK-WIHEPKGY DLDTDYCFGPGTDEKNCGVRP-LYIDFRKDLGWK-WIHEPKGY GVGQEYCFGNNGPNCGVRP-LYINFRKDLGWK-WIHEPKGY	r
	マ かからよういト	11111111111111111111111111111111111111	

F16. 3a



F16, 3a cont.

TGF-B5	79	35	37	33	33	28	ቖ	24	24	38	32	81	69	73	78	2	3
TGF-B4	26	33	37	33	33	56	35	25	24	35	35	85	89	74	8		l
TGF-\$3	30	38	38	35	35	31	35	<b>5</b> 6	24	36	36	11	81	8	1		l
TGF-P2	27	35	37	¥	34	31	35	21	23	37	35	73	8	ı	1		1
TGF-B1	56	8	35	34	33	29	35	24	24	38	35	8	i	ı	1	1	t
aq nididnī	31	8	39	37	37	33	36	22	21	63	8	i	ı	1		l	I
AQ nididnI	3	\$	45	42	41	33	39	22	23	8	1	i	1	١		I	i
Inhibin a	22	23	23	20	21	78	20	18	8	1	1	1	1	!		ı	1
SIW	33	27	76	26	27	22	25	8	ŀ	1	1	ı	l	i	l	ı	1
Dbb	32	\$ 6	57	73	74	42	8	1	I	l	1	i	1	}	ţ	1	I
BMP-3	14	45	5 5	4	. 4	9	1	1	1	ı	1	I	'	1	1	1	l
вмь-гр	2	3	\$ 65	6	5 5	3 1	ŧ	1	1	1	l	l	l	1	I	1	1
BMP-2a	900	S S	3 8	3 2	3 1	1 1	I	1	1	1	I		l	1	1	1	i
∧dr-1	{	3 8	ر ج	3	. · 	ı 1	[		]				1	l	1	1	1
ηd-η	\ {	7 2	3		1	ţ i	1	I	I	1	ì	I	l	1	1	1	1
CDE-1	2	3	1=	l	ı	i	i	1	1	1	I	l	1	1	1	•	ı
		3DF-1	7g-1	Vgr-1	BMP-2a	BMP-2b	BMP - 3	OPP	MIS	Inhibin α	Inhibin pa	Inhibin pe	TGF-31	TGF-82	TGF-83	TGF-194	TGF-85

FIG. 3b

PVPPVMWRLFRRRDPQEARVGRPLRPCHVEELGVAGNIVRHIPDSGLSSRPAQPARTSGLCPEWTVVFDLSNVEPTERPT PVPSILWRIFNQRMGSSIQKKKPDL CFVEEFNVPGSVIRVFPDQGRFIIPYSDDIHPTQCLEKRLFFNISAIEKEERVT GDF-1 Vg-1

33

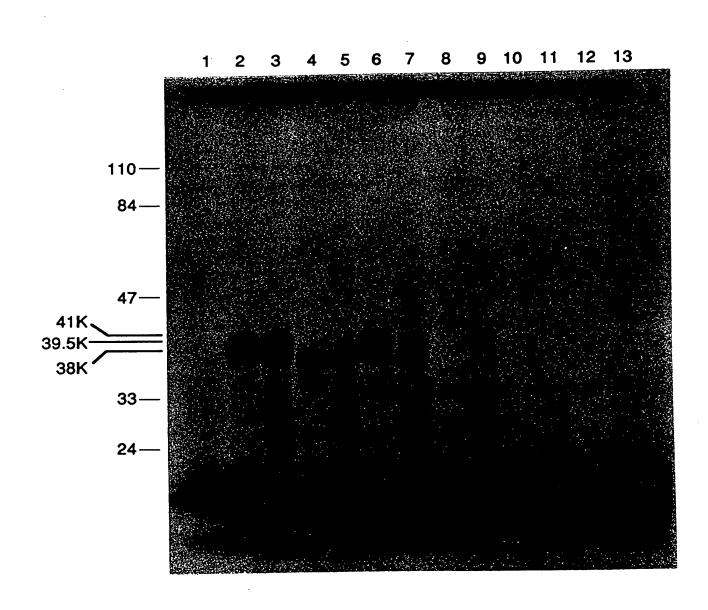


FIG. 4

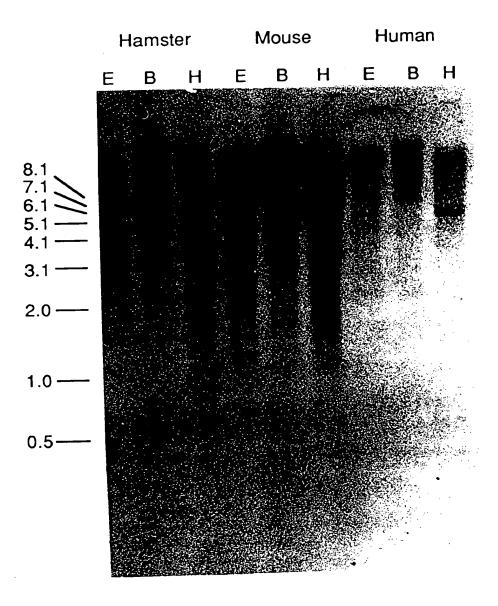


FIG. 5

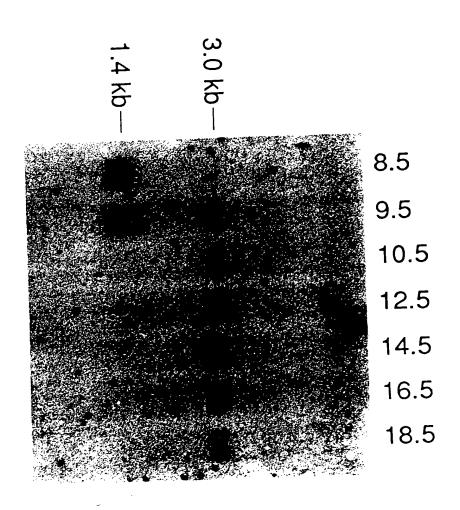


FIG. 6

10.5 d placenta

testis

seminal vesicle

ovary

oviduct

uterus

brain

thymus

heart

lung

kidney

adrenal

spleen

liver

intestine

pancreas

FIG. 7

cerebellum

brain stem

spinal cord

## whole brain

14 day embryonic16 day embryonic18 day embryonic2 day post-natal7 day post-natal

3.0 kb —

FIG. 8

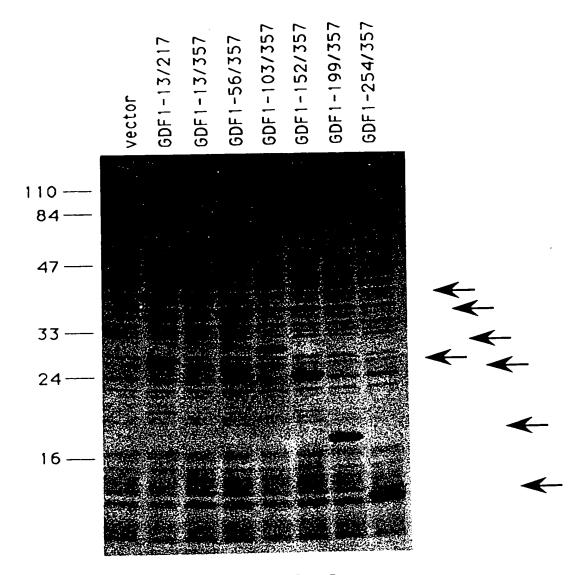
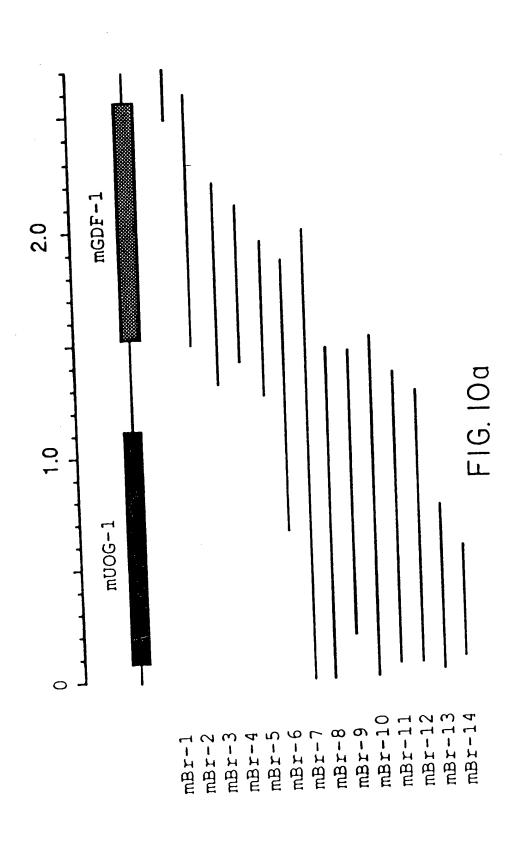
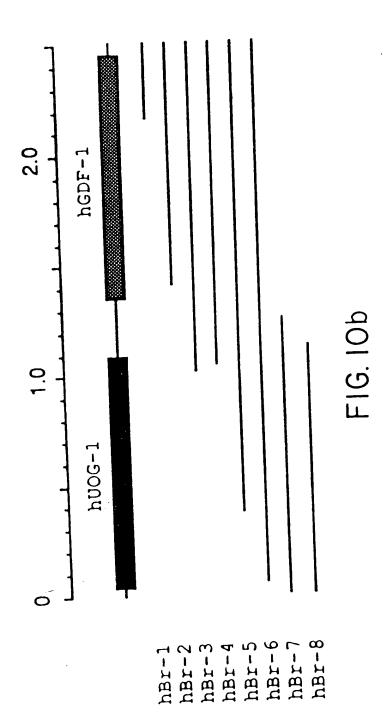


FIG. 9





		60
1	GCGCGTGACGCGAGGCGCGCGACTCGGACCGGTGCAGGCAACAGCGGAGACAGCCGT	120
61	AGAATTGGATAGCATGGCTGCCGCGGCGACCCCCAGGT F A P F P M	
	M A A A A A T P R L E A P E P M	180
121	GCCGAGTTATGCGCAGATGTTGCAACGAAGCTGGGCCTCGGCGCTGGCGGCGCTCAGGG	
	PSYAQMLQRSWASALAAAQG	240
181	P S Y A Q M L Q R CTGCGGGGACACGCGCACCTGGC CTGCGGGACTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC	
	C G D C G W G L A R R G L A E H A H L A	300
241	C G D C G W G L A R R R R R R R R R R R R R R R R R R	
	A P E L L A V L C A L G W T A L R W A	360
301	A P E L L A V C AGCCACACACACACACACACACACACACACACACACA	500
J -		420
361	A T T H I F R T T T T T T T T T T T T T T T T T T	
		480
421	A R L P E S A W L CONTROL OF THE CON	400
		540
481	TGACTGGAGGTCAGGCATGGCAGTGCCCTGGGACATCGCGGTGGCCTATTTGCTGCAGGG	310
101		600
541	CACTTTCTACTGCCACTCCATCTATGCCACCGTGTACATGGACAGCTGGCGTAAGGACTC	600
741		660
601	CCTCCTCATCCTGGTGCATCACGTGGTCACCCTGCTCCTCATTGCCTCTTCCTACGCC11	000
001		720
661	CCCTACCACACCTAGGCCTCCTCGTGTTCTTCCTGCATGACGTCAGCGATGTGCAGCT	120
001		700
721	CONCTTONON AND CTONACATOTACTTTAAGGCTAGGGGTGGTGCCTACCATCGCTTGCA	780
121		
701	TGGGCTGGTGGCCAACCTGGGCTCCCCCCCCCCCCCCCC	840
781		
041	CTACTGGTTCCCGCTCAAGGTTCTGTACGCCACTTGCCACTGCAGCCTGCAGTCTGTGCC	900
841		
	TGACATTCCGTACTACTTCTTCAACATTCTGCTGTTGCTCCTGATGGTCATGAACAT	960
901		
	D I P Y Y F F F N I L L L L L L L L L L L L L L L L L L	1020
961		
	Y W F L Y I V A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A F A A K V L I V A A A A A A A A A A A A A A A A A A	1080
1021		
	L E D L R E Y D T L A CGAGAAGCCACTGAGGAATGGCCTGAGGAAGCCACTGAGGAATGGCCTGGTGAAGGACAAGCTCTTCTGAGTCTCTTGTCCTCA	1140
1081		
	E K P L R N G L V K D K L P ACTTCAGCCATCCAGGACTCTATCCCACCTGGGATACTGACTCCGCCCTTGGAGA ACTTCAGCCATCCAGGACTCTTTGGCGG	1200
1141	ACTTCAGCCATCCAGGACTCTATCCCATCCTGGAGGCCCGGTCCCGCCTTTGGCGG CTCGACCCAGTCCCTGGAGGTCTCCCACCCCTGGAGGCCCGGTCCCGCCTTTTGCCG	1260
1201	CTCGACCCAGTCCCTGGAGGTCTGCCCCCTAACATTCAGGATGCTACCCTTCTCCA	1320
1261	CTCGACCCAGTCCCTGGAGGTCTGCCCCCCCCTAAGATTCAGGATGCTACCCTTCTCCACATGGCCTCGCCCCTAGGACAATAGCCCCGCCCTAAGATTCAGGATGCTACCCTTCCACCTTGGGA	1380
1321	GGGACTCTGGCCCAGCAGCTCCGCCTTTCAGATCAATTCTCGACCACCCAC	1440
1381	CTGCCGCCCAGTCCTCTGGATCAGTGGGGTCCAGACACGCCCCTCCAGGACCTC	1500
1441		1560
1501	CTCTCTTGGACACCTCCTGGGAGGAAAATGCTCCCTGTCTGCCATCGTTTTCCCTCC	
	M L P V C H R F C D H	

	CTCCTCCTCCTGCTCTTGCTGCCCTCGACGACCCTGGCCCCCGCGCCAGCATCCATGGGC	1620
561	CTCCTCCTCCTGCTCTTGCTGCCCTCGACGACCCTGGCCCCCGGGGGACCCTGGCCCGGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGGACCCTGGCCGGACGACCCTGGCCGGACCCTGGCCGGACCCTGGCCGGACCCTGGCCGGACCCTGGCGACCCTGGCCGGACCCTGGCCGGACCCTGGCCGGACCCTGGCGACCCTGGCCGACCGA	
	L L L L L L L B L P S T T L A P A P A S M G CCCGCTGCCGCCTGCTCCAGGTTCTTGGGCTTCCCGAAGCGCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCTGCTCCAGGTTCTTGGGCTTCCCGAAGCGCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCCTGCTCCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCGCAGGTTCTTGGGCTTCCCGAAGCGCCCCCGGAGCGTCCCCACA CCCGCTGCCGCCCCGCACACACACACACACACACACACAC	1680
1621	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
1021	PAAALLQVLG LPEAPRS VPI	1740
1681	P A A A L L Q V L G L P L C C C C C C C C C C C C C C C C C	
1001	U R P V P P V M W R L F R R R D P Q E A	1800
1741	H R P V P P V M W R L G G G G G G G G G G G G G G G G G G	
1/41	AGAGTGGGACGCCTCTGGGACGTCGACGCCTCGGACGTCGCTCGGACGTCGAGAGAGA	1860
1001	CTCCCCACATCCCGACAGCGGTCTGTCCTCCAGGCCCGCACAACCCGCCACA	
1801	GTGCGCCACATCCCCGACACACCCCCCACACCACCACCACCACCACCACCA	1920
	COCCUCACAGTGGACAGTCGTCTTTGACCTGTCGAATGTGGAGCCCACAGAGCCC	1,000
1861	GGCTGGCCCCGTGG	1980
	G L C P E W T V V F D L G G G G G G G G G G G G G G G G G G	1700
1921	P. T. P. A. R. L. E. L. R. L. E. A. E. S. E. D. T. G. G. W.	2040
	P T R A R L E L R L E A E A E A E A E A E A E A E A E A E	2010
1981	GAGCTAAGCGTGGCACTGTGGGCACTACCCGCCAAC	2100
	E L S V A L W A D A E H CCGGCGCCACCAGGGGTGCTCCTGCGCGCAGACCTACTGGGGACTGCAGTAGCCGCCAAC	2100
2041	CCGGCGCCACCAGGGGTGCTCCTGCGCGCACTCCAGCC	21.00
	PAPPGVLLRADECTCCCCTCTCCCCTGTCACTGCACCCTGGGGCCACTGCAGCC	2160
2101	PAPPGVLLRADECTGCACCCTGGGGCCACTGCAGCC GCATCAGTGCCCTGTACTGTGCGCCTGGCGCTGTCACTGCACCCTGGGGCCACTGCAGCC GCATCAGTGCCCTGTACTGTGCGCCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCCCTGTACTGCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCCCTGTACTGCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCCCTGTACTGCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCCCTGTACTGCACCCTGCACCCTGCAGCCCACCTGCAGCC GCATCAGTGCCCTGTACTGCACCCTGCACCCTGCAGCCCACCTGCAGCC GCATCAGTGCACCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCACCCTGTACTACTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCACCTGCACCCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCACCTGCACCCTGCACCCTGCAGCCCTGCAGCC GCATCAGTGCACCTGCACCCTGCACCCTGCACCCTGCAGCCC GCATCAGTGCACCCTGCACCCTGCACCCTGCACCCTGCACCCTGCACCCCTGCACCCTGCACCCCCTGCACCCCTGCACCCCTGCACCCCTGCACCCCCTGCACCCCCTGCACCCCTGCACCCCCTGCACCACCCCTGCACCCCCTGCACCACCACCACCACCACCACCACCACCACCACCACCAC	
	A S V P C T V R L A L S L T P T T L D P R L C P	2220
2161	TGTGGGCGCCTGGCTGCTGCTGGTGRCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	
	C G R L A E A S L L V T L D P R L C P	2280
2221	C G R L A E A S L L L T T T T T T T T T T T T T T T T	
	L P R L R R H T E P R V E V G P V G T T G T T G T T G T T G T T G G T G T G G T G G T G G T G G G T G	2340
2281	L P R L R R H T E R R GGTGGGCTGGCACCGTTGGGTGATCGCG CGTACCCGACGGTTGCATGTGAGCTTCCGTGAGGTGGGCTGGCACCGTTGGGTGATCGCG	
	R T R R L H V S F R E V G W H R W V I A	2400
2341	R T R R L H V S F R C CGCGTGCCTACCCGAAACGCTGAGG CCGCGTGCCTTCCTAGCCAACTTCTGCCAGGCACGTGCGCACTACCCGAAACGCTGAGG CCGCGTGCCGCACTACCCGAAACGCTGAGG	
	PRGFLANFCQGTCCTCATCCACCCCTCATCCACCCCACCCT	2460
2401	PRGFLANFC  GACCCGGCGGCCCTGCACTCAACCACGCTGTGCTGCGCGCGC	
2101	G P G G P P A L N H A V L R A L M H A A	2520
2461	G P G G P P A L N H A CONTROL OF THE R L S P I S	
2101	A P T P G A G S P C C V P E R L S P 1 S	2580
2521	CTCCTCTTCTTCACAATAGTGACAACGTGGTCCTGCGACACTACGAAGACATGGTGGT	2000
2321	V L F F D N S D N V V L R H Y E D M V V	2640
2581	TO THE TOTAL CONTROL OF A COCCOCA CA COCCOTTT CAGGGACCGCCCCACACACACACACACACACACACACAC	2010
2301	D E C G C R	2700
2641		2100
2641		
2701	MATIMOTICO ELT.	

FIG. IIa CONT.

		60
1	GGACACGGCGGGCGGGCGGGCGGGGCCGACGGGGGGGGG	
	M A A A G P A A G P T G	120
61	CCCGAGCCCATGCCGAGCTACGCGCAGCTAGTGCAGCGCGCTGGGGCAGCGCGCTGGCG	
-	P E P M P S Y A Q L V Q R G W G S A L A	180
121	P E P M P S Y A Q L C GCGCCGGCCTGGCGGCCTGGCGGCCCGGCCGGCCTGGCGGC	
	A A R G C T D C G W G L A R R G L A E H	240
181	A A R G C T D C G W T A G C T D C G W T A	
	A H L A P P E L L L L A L G A L G W T A	300
241	A H L A P P E L L L L CONTROL	
	L R S A A T A R L F R P L A K R C C L Q	360
301	L R S A A T A R L R CCCAGAGAGTTTCTCTTCTACCTGGGCAGC	500
JU 1	PRDAAKMPESAWKFLFYLGS	420
361	TCCACCTACAGTGCCTACCTGCTGTTTGGCACCGACTACCCCTTCTTCCATGACCCACCA	120
301	W S Y S A Y L L F G T D Y P F F H D P P	480
421	TCTCTTCTACGACTGGACGCCGGGCATGGCAGTGCCACGGGACATTGCAGCCGCCTAC	400
421	S V F Y D W T P G M A V P R D I A A A I	540
401	CTCCTCCACCCAACCTTCTATGGCCACTCCATCTACGCTACGCTATACATGGACACCTGG	540
481	L. L. O. G. S. F. Y. G. H. S. I. Y. A. T. L. Y. M. D. T. W.	c00
	L L Q G S F Y G H S S S S S S S S S S S S S S S S S S	600
541		
	R K D S V V M L L H T T T T T T T T T T T T T T T T T	660
601	S Y A F R Y H N V G I L V L F L H D I S	
	S Y A F R Y H N V G T T T T T T T T T T T T T T T T T T	720
661		
	D V Q L E F T K L N T T T T T T T T T T T T T T T T T T	780
721		
	H R L H A L A A D L G C L STATE CACTGCAGTCTG TGGTTCCGCCTCTACTGGTTCCCGCTCAAGGTCCTGTATGCCACCAGTCACTGCAGTCTG	840
781		
	W F R L Y W F P L K V CTCAATGCGCTCCTGCTGCTCACC CGCACGGTGCCTGACATCCCCTTCTACTTCTTCAATGCGCTCCTGCTGCTGCTCACC	900
841		
	R T V P D I P F Y F F N A CONTROL OF THE CONTROL OF	960
901		
	L M N L Y W F L Y I V A F A A A CONTROL OF THE CONT	1020
961	CAGGTGCACGAGCTGAAGGACCTGCGGGAGTATGACACAGCGATATGACACAGCGAGCTGCAGGAGTATGACACAGCAGCAGTATGACACAGCGAGTATGACACAGCGAGTATGACAGCAGCAGAGTATGACACAGCAGCAGAGTATGACACAGCGAGTATGACAAGCAGCAGAGTATGACACAGCGAGTATGACACAGCGAGTATGACACAGCAGCAGTATGACACAGCAGCAGAGTATGACACAGCAGCAGAGTATGACACAGCAGAGTATGACACAGCAGCAGAGTATGACACAGCAGAGTATGACACAGCAGAGTATGACACAGAGTATGACACAGCAGAGTATGACAAGCAGAGTATGACACAGAGAGTATGACACAGAGAGTATGACACAGAGAGTATGACAAGAGAGAG	
	Q V H E L K D L R E Y D T A E A CONTROL OF THE CONT	1080
1021		
		1140
1081	P S K A E K C C CCCGAATACCCCGGCCACGCTCCCGTC	1200
1141		1260
1201		1320
1261		1380
1321	CTCTCTGGTCATCGCCTGGGAGGAAGATGCCACCGCCGCAGCAGGAGGTCGCCGCAGCAGGAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGTGCCACCGCCGCAGCAGGAGGAAGGA	
	M P P P Q Q G P C G H H	

FIG. 11b

	OPTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOT	1440
1381	ACCTCCTCCTCCTGGCCCTGCTGCCCTCGCTGCCCCTGACCCGCGCCCCCGTGC	
		1500
1441	L L L L L L L L L L L L L L L L L L L	
	P G P A A A L L Q A L G L R D E P Q G A	1560
1501	P G P A A A L L C A A C C C C C C C C C C C C	
	PRLRPVPPVMWRLFRRDPQ	1620
1561	PRLRPVPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
		1680
1621	E T R S G S R R 1 TGGAGGAGCTGGGGGTGCGCCCA TGGAGGAGCTGGGGGTCGCCGGAACATCGTGCGCCACATCCCGGAACGCGGGTGCGCCCA TGGAGGAGCTGGGGGTCGCCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGGTGCGCCCCACATCCCGGACCGCGCGGTGCGCCCACATCCCGGACCGCGCGGTGCGCCCCACATCCCGGACCGCGCGGTGCGCCCCACATCCCGGACCACATCCCGGACCGCGCGCG	
		1740
1681	E E L G V A G N C CCCGGGCCTCGAGTGGACAGTCGTCTTCG	
1001		1800
1741	R A S E P V S A A CCTGTCGGCTGTGGGCCCGCCTGGAGCTGCGTTTCG ACCTGTCGCGCTGTGGAACCCGCTGAGCGCCCGAGCCGGGCCCGCCTGGAGCTGCGTTTCG	1000
1141		1860
1801	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	1800
TOOT		1920
1061	PORTOCOCOCOCO TO	1920
1861		4000
	G A G A D G G G G G G G G G G G G G G G	1980
1921		
	GCTCCGCCTGGCGCTGCCGCTGCCCCCGGGCCCTGCCGCC	2040
1981		
	L R L A L R R R R R R R R R R R R R R R	2100
2041		
		2160
2101	GGCGCGACGCCGACCCGTGTTGGGCGGCGCGCGCGCGCGC	
		2220
2161	R D A E P V I A P R G F L	
		2280
2221	TGGCCAACTACTGCCAGGGTCAGTGCGCGCTGCCCGTCGCGCTGTCGGGGTCCGGGGGC	
		2340
2281	CGCCGGCGCTCAACCACGCTGTGCTGCGCGCGCGCTCATGCACGCGGCCGCCCCGGGAGCCG	2340
2201		2400
2341	CCACCTCCCTCCTCCTCCCCCCCCCCCCCCCCCCCCCCC	2400
2341		2460
2401	ACACCACACGTGCTGCTGCGCAGTATGAGGACATGGTGGTGGACGAGTGCGGCTGCC	2460
2401		
0465	GCTAACCCGGGGCGGCAGGGACGCGGGCCCAACAATAAATGCCGCGTGG 2510	
2461	LE TERRET EL PROPERTO DE LA CONTROL DE LA CO	

FIG. 11b CONT.

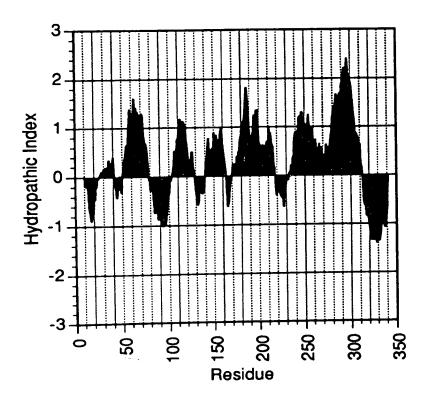
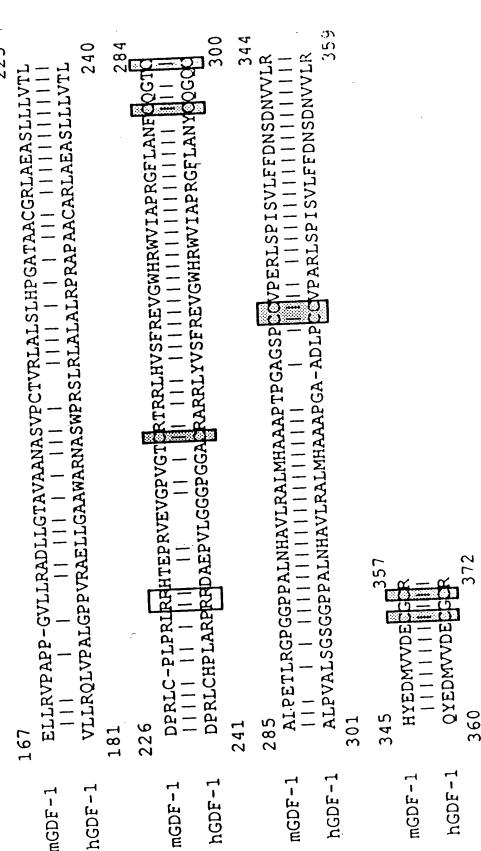


FIG. 12

		·		
1 MLPVCHRECDHLLLL-LLLPSTTLAPAPASMGPAAALLQVLGLPEAPRSVPTHRPVPP	ம் ப	9		13
mGDF-1 hGDF-1	mGDE-1	מפחד - ד	mGDF-1	hGDF-1



F16, 13a cont.

F1G. 13b

FIG. 13b CONT.

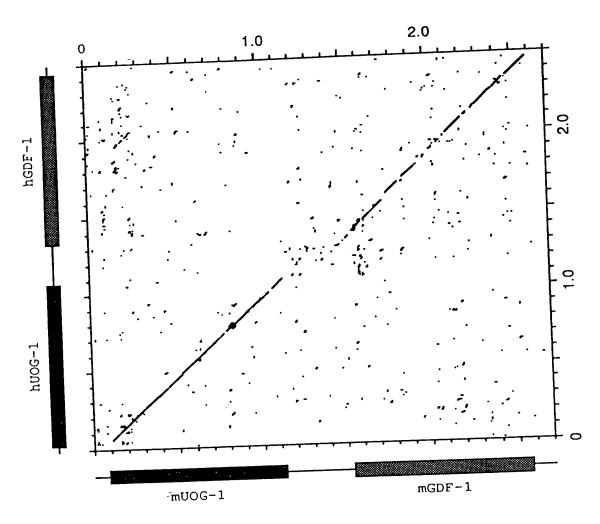


FIG. 13c

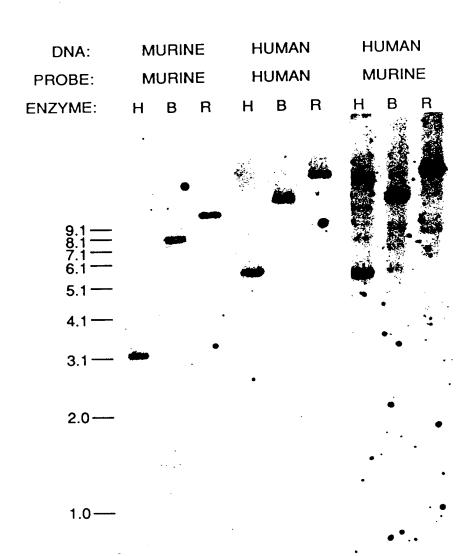


FIG. 14